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9/26/01  
Gordon

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : SCHEMMANN et al.  
Serial No. : 09/782,354  
Filed : February 12, 2001  
For : METHOD AND APPARATUS FOR OPTICAL DATA  
TRANSMISSION AT HIGH DATA RATES WITH  
ENHANCED CAPACITY USING POLARIZATION  
MULTIPLEXING

Art Unit : 2633

Examiner : To Be Assigned

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**KENYON & KENYON**

**PRELIMINARY AMENDMENT AND  
37 C.F.R. § 1.125 SUBSTITUTE SPECIFICATION STATEMENT**

SIR:

Please amend the above-identified application before examination, as set forth below.

**In The Specification:**

At the paragraph beginning on page 5, line 28, delete:

"FIG. 9 shows a flow chart of the method of increasing the data capacity of optical  
transmission according to an embodiment of the present invention."

Please replace the paragraph on page 6, line 8, with the following rewritten  
paragraph:

--Optical carrier generator 110 generates an optical carrier signal having two side